

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
150026.457C1APPLICATION NO.  
10/091,877

## INFORMATION DISCLOSURE STATEMENT

MAY 13 2002

(Use additional sheets if necessary)

## APPLICANTS

Philip T. Feldsine et al.

## FILING DATE

March 5, 2002

## GROUP ART UNIT

Not Yet Assigned

1648

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
W	AA	5,415,997	05/16/95	Atrache et al.	435	7.35	
	AB	5,726,062	03/10/98	Numa et al.	436	86	
	AC	5,807,694	09/15/98	Zawistowski	435	7.35	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
W	AD	WO 92/02820	02/20/92	WIPO	
	AE	WO 95/30903	11/16/95	WIPO	
	AF	WO 98/22824	05/28/98	WIPO	
	AG	WO 98/27432	06/25/98	WIPO	

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

W	AH	Bentley and Klebba, "Effect of Lipopolysaccharide Structure on Reactivity of Antiporin Monoclonal Antibodies with the Bacterial Cell Surface," <i>Journal of Bacteriology</i> 170(3): 1063-1068, 1988.
	AI	Bollag et al., <i>Protein Methods</i> , Wiley-Liss Inc., New York, 1996, pp. 42-49.
	AJ	Kastowsky et al., "Molecular Modelling of the Three-Dimensional Structure and Conformational Flexibility of Bacterial Lipopolysaccharide," <i>Journal of Bacteriology</i> 174(14):4798-4806, 1992.
	AK	Luk et al., "Epitope Mapping of Four Monoclonal Antibodies Recognizing the Hexose Core Domain of <i>Salmonella</i> Lipopolysaccharide," <i>The Journal of Biological Chemistry</i> 266(34):23215-2325, 1991.
	AL	Mansfield et al., "Variation in <i>Salmonella</i> core lipopolysaccharide as detected by the monoclonal antibody M105," <i>Letter in Applied Microbiology</i> 23:104-106, 1996.
	AM	Marino et al., "Energy Dependence of Lipopolysaccharide Translocation in <i>Salmonella typhimurium</i> ," <i>The Journal of Biological Chemistry</i> 260(28):14965-14970, 1985.
	AN	Marino et al., "Energy Dependence of O-Antigen Synthesis in <i>Salmonella typhimurium</i> ," <i>Journal of Bacteriology</i> 173(10):3128-3133, 1991.

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
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## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

- |   |    |   |
|---|----|---|
| u | BA | McGrath and Osborn, "Evidence for Energy-Dependent Transposition of Core Lipopolysaccharide Across the Inner Membrane of <i>Salmonella typhimurium</i> ," <i>Journal of Bacteriology</i> 173(10):3134-3137, 1991.               |
|   | BB | Nakano et al., "Effect of protonophore on growth of <i>E. Coli</i> ," <i>Journal of Basic Microbiology</i> 3: 163-169, 1989.  |
|   | BC | Ohyama et al., "Osmotic Adaption of <i>Escherichia coli</i> with a Negligible Proton Motive Force in the Presence of Carbonyl Cyanide <i>m</i> -Chlorophenylhydrazine," <i>Journal of Bacteriology</i> 174(9): 2922-2928, 1992. |
|   | BD | Peleg et al., "Effects of salts and ionophores on proline transport in moderately halophilic halotolerant bacterium," <i>Biochemica et Biophysica Acta</i> 596: 118-128, 1998.  |
|   | BE | Pollack et al., "Specificity and Cross-Reactivity of Monoclonal Antibodies Reactive with the Core and Lipid A Regions of Bacterial Lipopolysaccharide," <i>The Journal of Infectious Diseases</i> 159(2):168-188, 1989.         |
|   | BF | Raetz, "Biochemistry of Endotoxins," <i>Annu. Rev. Biochem.</i> 59:129-170, 1990.   |
|   | BG | Raetz, <i>Escherichia Coli and Salmonella</i> , Second Edition, Volume I, ASM Press, Washington, D.C., 1996, pp. 1035-1063.   |
|   | BH | Rodionov and Ishiguro, "Inhibition of Peptidoglycan Hydrolase Activity <i>in Vivo</i> and <i>in Vitro</i> by Energy Uncouplers in <i>Escherichia coli</i> ," <i>Microbial Drug Resistance</i> 2(1): 131-134, 1996.              |
|   | BI | Rosson et al., "Use of poisons in determination of microbial manganese binding rates in seawater," <i>Applied Environmental Microbiology</i> 47: 740-745, 1984.   |
|   | BJ | Tsang et al., "A Murine Monoclonal Antibody Specific for the Outer Core Oligosaccharide of <i>Salmonella</i> Lipopolysaccharide," <i>Infection and Immunity</i> 55(1): 211-216, 1987.   |
| ✓ | BK | Tsang et al., "Structural Differences in the Outer Core Region of Lipopolysaccharides Derived from Members of the Genus <i>Salmonella</i> ," <i>Zbl. Bakt.</i> 276:330-339, 1992.   |

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9/4/03

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA						
	CB						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	CC					
	CD					

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

UW	CE	Tsang et al., "A Murine Monoclonal Antibody that Recognizes a Genus-Specific Epitope in the Salmonella Lipopolysaccharide Outer Core," <i>Zbl. Bakt.</i> 274: 446-455, 1991.
	CF	Tsang et al., "Lack of the $\alpha$ -1,2-linked N-acetyl-D-Glucosamine Epitope in the Outer Core Structures of Lipopolysaccharides from Certain O Serogroups and Subspecies of <i>Salmonella Enterica</i> ," <i>Res. Microbiol.</i> 142: 521-533, 1991.
	CG	Tsang et al., "Screening for <i>Salmonella</i> with a Murine Monoclonal Antibody M105 Detects both Felix O1 Bacteriophage Sensitive and Resistant <i>Salmonella</i> Strains," <i>Zbl. Bakt.</i> 286:23-32, 1997.
	CH	Tsang et al., "A Murine Monoclonal Antibody Specific for the Outer Core Oligosaccharide of <i>Salmonella</i> Lipopolysaccharide," <i>Infection and Immunity</i> 55(1): 211-216, 1987.
	CI	Tsang et al., "A Murine Monoclonal Antibody that Recognizes a Genus-Specific Epitope in the Salmonella Lipopolysaccharide Outer Core," <i>Zbl. Bakt.</i> 274: 446-455, 1991.
	CJ	Tsang et al., "Lack of the $\alpha$ -1,2-linked N-acetyl-D-Glucosamine Epitope in the Outer Core Structures of Lipopolysaccharides from Certain O Serogroups and Subspecies of <i>Salmonella Enterica</i> ," <i>Res. Microbiol.</i> 142: 521-533, 1991.
	CK	Tsang et al., "Screening for <i>Salmonella</i> with a Murine Monoclonal Antibody M105 Detects both Felix O1 Bacteriophage Sensitive and Resistant <i>Salmonella</i> Strains," <i>Zbl. Bakt.</i> 286:23-32, 1997.
	CL	Tsang et al., "Characterization of murine monoclonal antibodies against serotype B salmonellae and application as serotyping reagents," <i>Journal of Clinical Microbiology</i> 29(9): 1899-1903, 1991.
	CM	

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